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AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently amended): A computer implemented file transformation system including a processor, comprising:

a file having [[with]] one or more unstructured properties;

an item having one or more structured properties, the item being a structured object representation of the file;

a file property manager facilitates communications between applications working with an unstructured byte stream and applications working with the structured object representation of the file, the file property manager receives a notification of the unstructured byte stream of the file having been modified and calls a file property handler with a pointer to the byte stream of the file to be promoted; and

the file property handler manipulates at least one of the following: a transformation in order to demote the one or more unstructured properties based on changes to the structured properties and a transformation in order to promote the structured properties based on changes to the unstructured properties;

the file property handler facilitates the promotion when a file application programming interface (API) based application modifies the unstructured properties by updating the unstructured byte stream for a structured object store item, the structured object store item being a file-backed item;

the file property handler performs at least one of the following: storing the demoted one or more unstructured properties and storing the promoted structured properties.

2. (Original): The system of claim 1, the file property handler performs at least one of an extraction and a transformation in order to promote the unstructured properties to the structured properties.

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3. (Original): The system of claim 1, the file property handler performs at least one of an extraction and a transformation in order to demote the structured properties to the unstructured properties.
- 4-6. (Cancelled).
7. (Previously presented): The system of claim 1, the file property handler facilitates a demotion operation when an application queries for and modifies items employing a structured store Application Programming Interface (API) that manipulates a file-backed item.
8. (Original): The system of claim 1, the file property handler is registered to process one or more selected file extensions.
9. (Cancelled).
10. (Original): The system of claim 1, the file property handler is associated with an abstract class that defines methods for promotion and demotion.
11. (Original): The system of claim 10, the abstract class includes at least one of a BaseFilePropertyHandler, a promote method, a demote method, a first promote method, a store serialized item method, and a retrieve serialized item method.
12. (Original): The system of claim 1, further comprising an application programming interface (API) that allows applications to modify a file-backed item.
13. (Original): A computer readable medium having computer readable instructions stored thereon for implementing the file property handler of claim 1.

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14. (Previously presented): A computer implemented system including a processor to facilitate data transformation, comprising:

means for exposing unstructured file properties to a structured store application, the unstructured file properties are related to a file that is an unstructured byte stream;

means for facilitating communications between applications working with the unstructured file properties and applications working with a structured object representation of the file;

means for receiving a notification that the unstructured byte stream of the file has been modified;

means for calling a file property handler for the file with a pointer to the unstructured byte stream of the file to be promoted;

means for transforming the unstructured file properties into structured item properties associated with the structured store application, the structured item properties are related to an item being the structured object representation of the file;

means for facilitating a promotion operation when a file application programming interface (API) based application modifies the unstructured properties by updating the unstructured byte stream for a structured object store item, the structured object store item being a file-backed item;

means for updating the structured item properties in the structured store application; and

means for storing the updated structured item properties.

15. (Original): The system of claim 14, further comprising means for transforming the structured item properties into unstructured file properties.

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16. (Previously presented): A computer implemented method to facilitate data item transformation, comprising:
- performing communications between applications working with an unstructured property file stream and applications working with a structured object representation of a file;
 - modifying the file associated with one or more unstructured properties in a structured store namespace via utilizing a file application programming interface (API) based application;
 - receiving a notification related to the modification of the unstructured property file stream of the file;
 - calling a file property handler for the file with a pointer corresponding to the modified unstructured property file stream to perform a promotion;
 - performing a promotion operation when a file application programming interface (API) based application modifies the unstructured properties by updating the file stream for a structured object store item, the structured object store item being a file-backed item;
 - promoting one or more unstructured properties associated with the file to accordingly update structured properties associated with an item that is associated with the structured store namespace, the item is a structured object representation of the file in an object store; and
 - storing the updated structured properties.
17. (Original): The method of claim 16, further comprising demoting one or more properties associated with the item to be in accordance with the file API based application.
18. (Previously presented): The method of claim 16, further comprising registering a file property handler to facilitate promoting the one or more unstructured properties or demoting the one or more structured properties.
19. (Original): The method of claim 16, further comprising de-queuing a change item.
20. (Original): The method of claim 16, further comprising retrieving a structured item for a selected item path.

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21. (Previously presented): The method of claim 16, further comprising morphing an item's structure or changing an item structure.
22. (Previously presented): The method of claim 16, further comprising automatically extracting the one or more unstructured properties and updating an item.
23. (Original): The method of claim 16, further comprising marking modified parts of an item as promoted.
24. (Previously presented): The method of claim 16, further comprising applying changes to the item in the object store.
25. (Original): The method of claim 17, further comprising determining the item for updates to parts of the item.
26. (Original): The method of claim 17, further comprising querying an item store for a file property handler registration.
27. (Original): The method of claim 26, further comprising loading the file property handler into a cache.
28. (Original): The method of claim 17, further comprising automatically identifying fields to be updated.
29. (Previously presented): The method of claim 17, further comprising reading changes from an item and updating unstructured file properties.
30. (Original): The method of claim 29, further comprising at least one of sending the item changes to the store and closing a stream.
31. (Cancelled).